

# Incorporating Lessons Learned Into The WIPP Integrated Safety Management System

From The Perspective Of The  
Lessons Learned Coordinator

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# Lessons Learned Generated By Lessons Learned Working Group

- Lessons Learned Working Group Consists Of Representatives From The Following Departments
  - Quality And Regulatory Assurance
  - Environment Safety And Health
  - Engineering
  - Human Resources
  - Operations
- Representatives Serve A Minimum Of Six Months

# Lessons Learned Sources

- Lessons Learned Bulletins Developed From Information Contained In
  - Nuclear Regulatory Commission Bulletins/Notices
  - DOE Safety Notices
  - External ORPS Reports
  - Internal ORPS Reports
  - DOE List Server Reports
  - MSHA Fatal Grams
  - Investigative Reports

# Reviewing Lessons Learned Material

- Lessons Learned Material Reviewed For Applicability To WIPP  
By Lessons Learned Working Group
  - Material deemed Applicable If Contains Information Having Potential Or Immediate impact on plant equipment
  - Impact To Safety And Health Of Plant Personnel
  - Identifies Good Work Practices
  - Lessons Learned That May Have Implications To WIPP Operations

# Developing Lessons Learned Bulletins

- One Page Bulletin Developed From Material Deemed Applicable
- Lessons Learned Bulletin Consists Of
  - Brief Description Of Event
  - Cause Of Event
  - Lessons To Be Learned
  - Applicable References

# Distributing Lessons Learned Bulletins

- One Page Bulletin Distributed To WIPP Department Managers
  - WIPP Department Managers Distribute Applicable Lessons Learned Bulletin Through required Reading Program
- Feedback Form Accompanies All Lessons Learned Bulletins Sent To Department Managers

# Completion Of Feedback Form

- Department Manager Indicates Action By Completing The Feedback Form
- Feedback Form Is Checklist Consisting Of The Following Questions
  - Lessons Learned Bulletin Applicable To Department
  - Placed In Required Reading
  - Change Made To Procedure
  - Change Made To Equipment Design
  - Change Made To Personnel Qualification Requirements
  - Cost Avoidance
  - Change In Training Requirements
  - Other
- Completed Feedback Forms Are Sent To Chairmen Of The Lessons Learned Working Group

# Feedback/Improvement

- Feedback Forms Are Analyzed To Determine The Effectiveness Of The Program
  - 80% Of Lessons Learned Sent Deemed Applicable
  - 95% Placed In Required Reading
  - 3% Initiated Procedure Changes
  - 1% Initiated Change In Training Requirements
  - 1% Other



# Lessons Learned During Craft Workplace Critiques

- Craft Performs Work To Specific Formalized Job Instructions
- Craft Discovers Anomaly In Procedure Or Process During Work Assignment
- Craft Reports Anomaly To Maintenance Manager
- Anomaly Corrected Immediately To Mitigate Hazard
  - Work Instructions Or Hazards Analysis are Changed To Prevent Recurrence
- Maintenance Manager And Craft Conduct Post Job Critique To Identify Additional Lessons Learned
- Lessons Learned Are Incorporated Into Work Package
- Maintenance Manager Provides Lessons Learning Working Group With Information From Critic
- Lessons Working Group Reviews Information To Determine If Lessons Learned Bulletin Be Developed

# Results of ISMS Verification Reviews And Assessments Relating To Feedback & Improvement

- September, 1998 ISMS Team From DOE Headquarters Concluded WIPP Has ISMS
- August, 1998, VPP Recertification Team From DOE Headquarters Concluded WIPP Has Successful Lessons Learned Program
- March, 1998, DOE ORR Team Concluded WIPP Has Successful Lessons Learned Program

# ISMS Verification Results (Cont.)

- May, 1998, Contractor ORR Team Concluded WIPP Has Successful Lessons Learned Program
- Various Internal Assessments Conducted During 1998 Concluded WIPP Has Successful Lessons Learned Program
- January, 1999, DNSFB Concluded WIPP Has Successful Lessons Learned Program And Uses Feedback Function to Collect Information And Make Changes To Improve Overall Safety Management System

# Current Initiatives To Integrate Identification And Utilization Of Lessons Learned In Support Of ISMS

- ISMS Coordinator Is Member Of The Lessons Learned Working Group
- Chairmen Of The Major Committees Identified In The WIPP ISMS Description Are Members Of the Lessons Learned Working Group

# Planned Initiatives To Integrate Identification And Utilization Of Lessons Learned In Support Of ISMS

- ISMS,VPP, and Emergency Management System Criteria Will Be Utilized To Develop Performance Indicators And Measures
- Performance Indicators and Measures Will Be Evaluated By The ISMS,VPP, And EM System Coordinators To Determine Effectiveness Of The ISMS